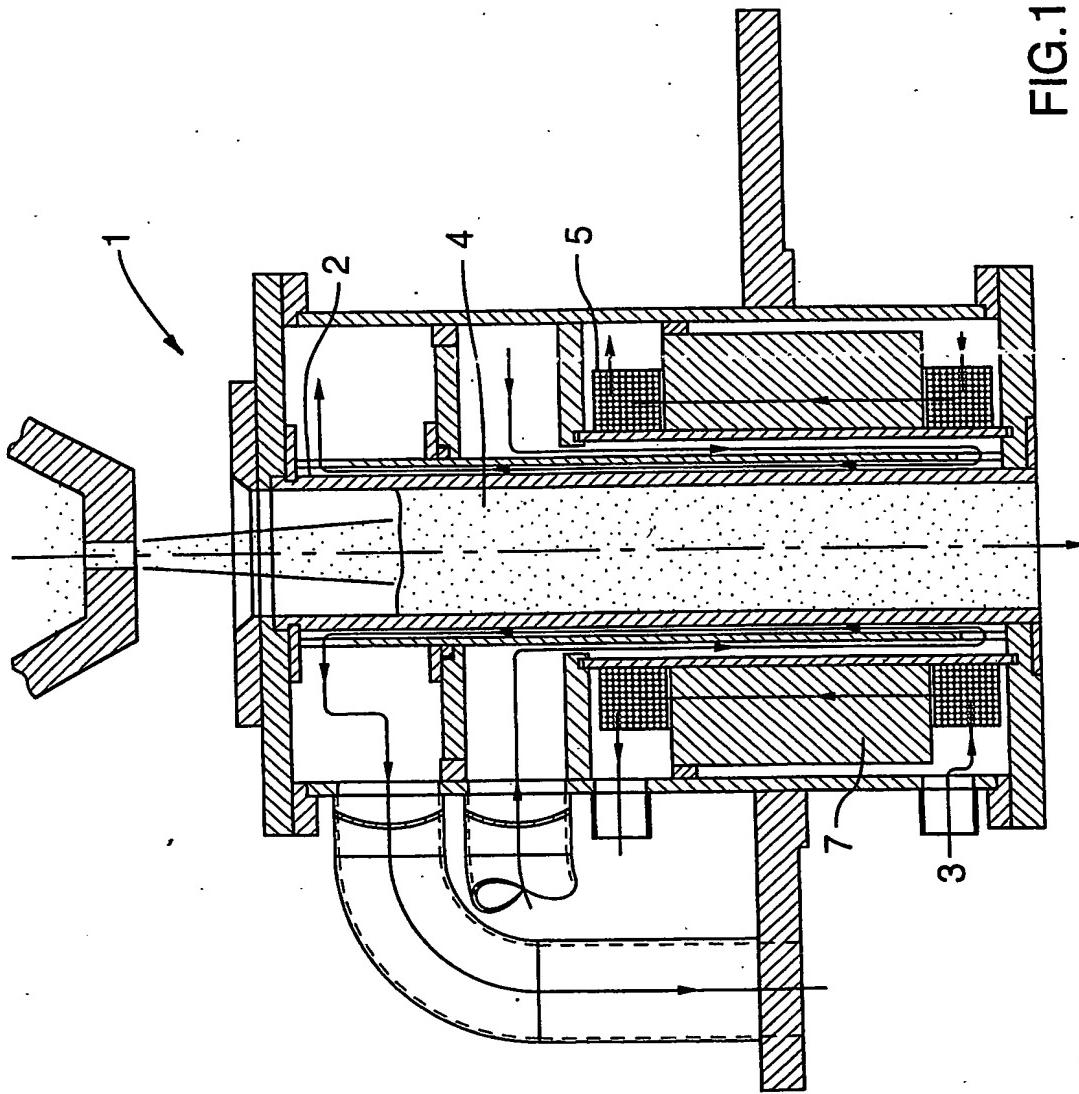


FIG. 1



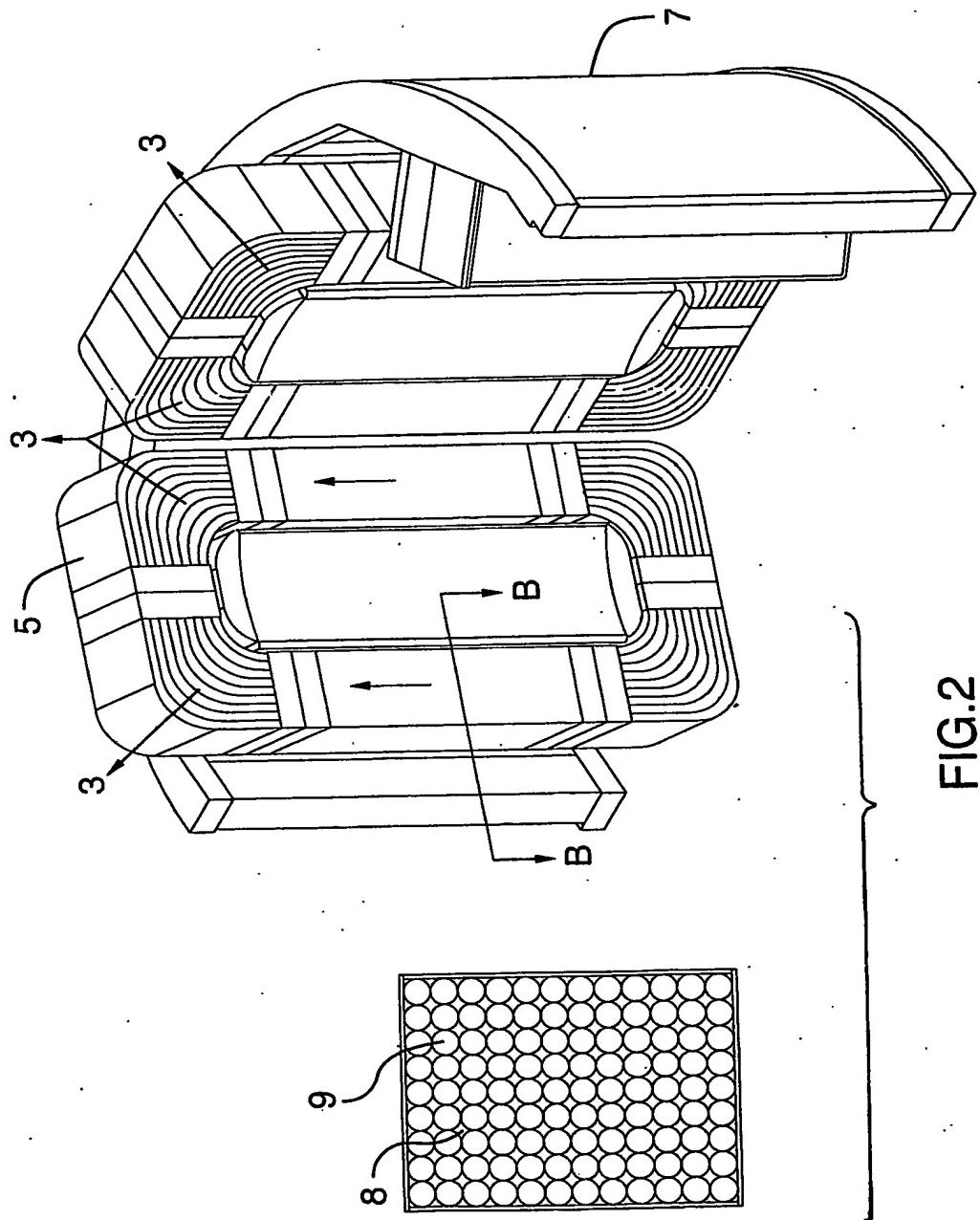
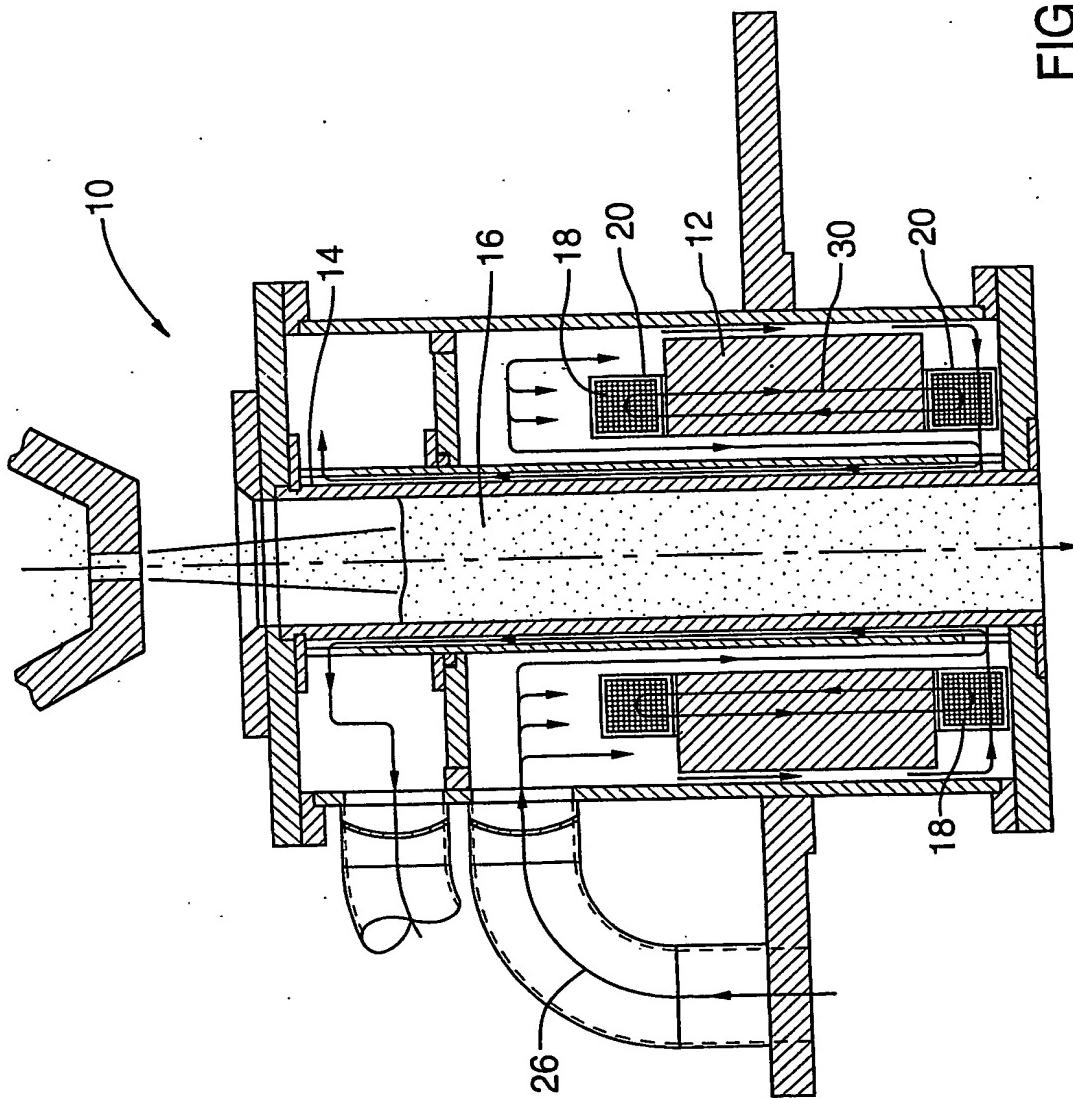


FIG.2

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FIG.3



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WO 2004/018128

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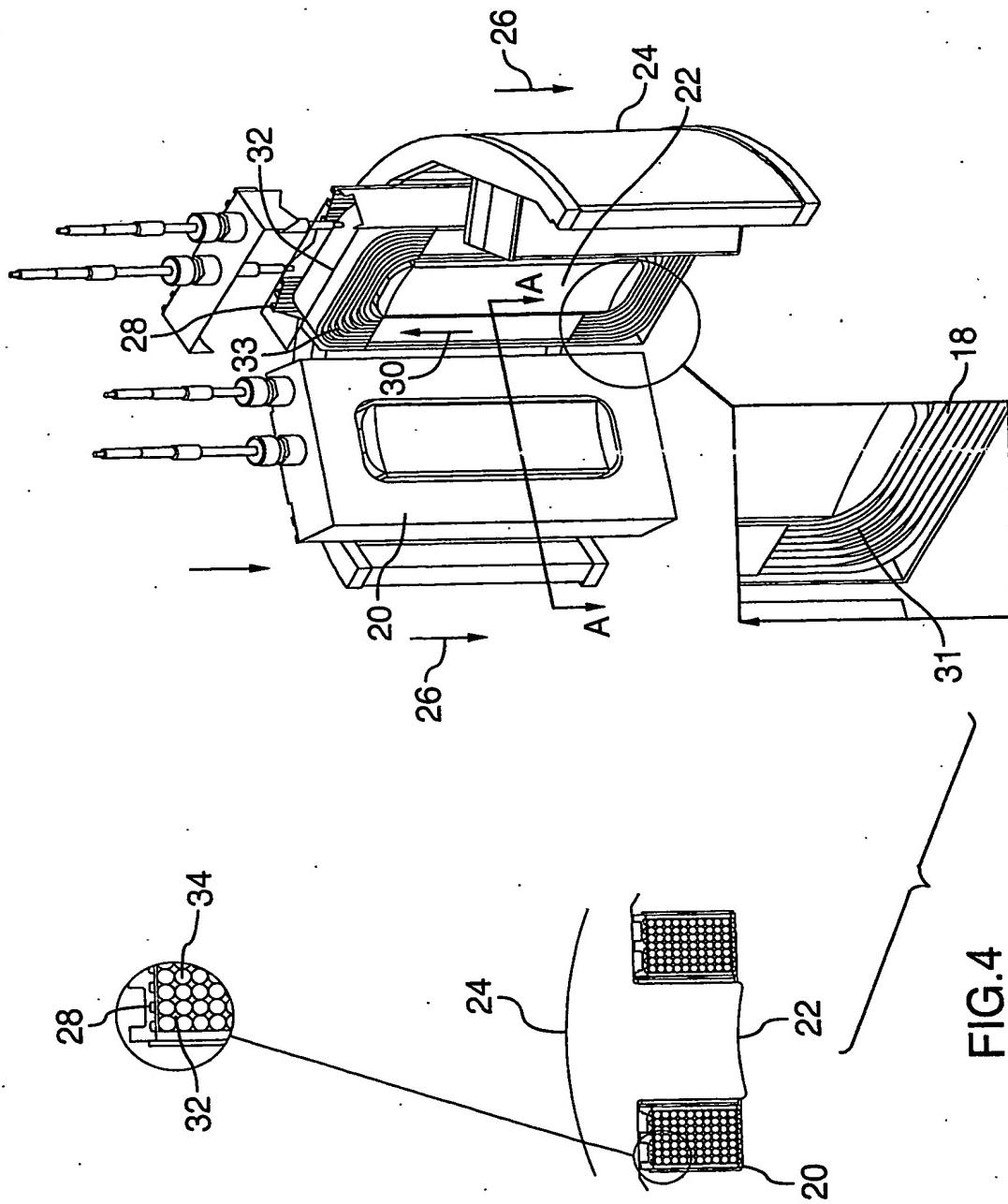


FIG.4

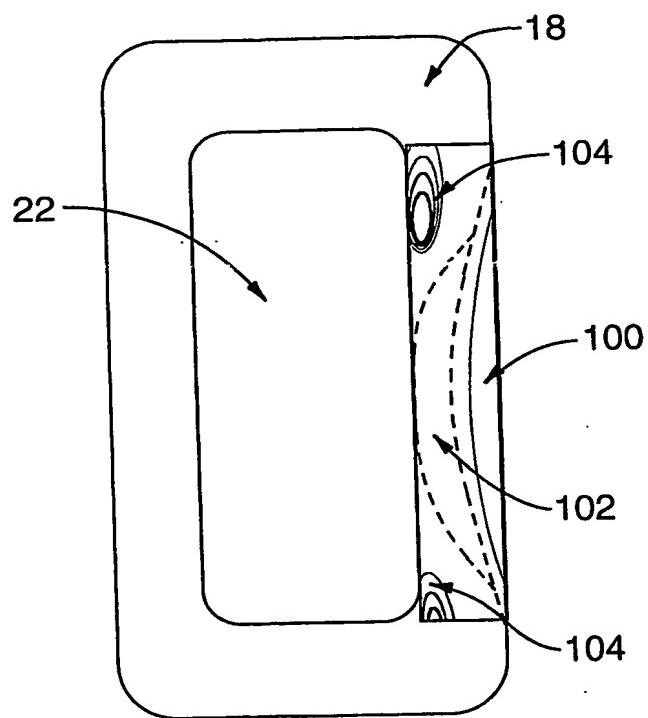
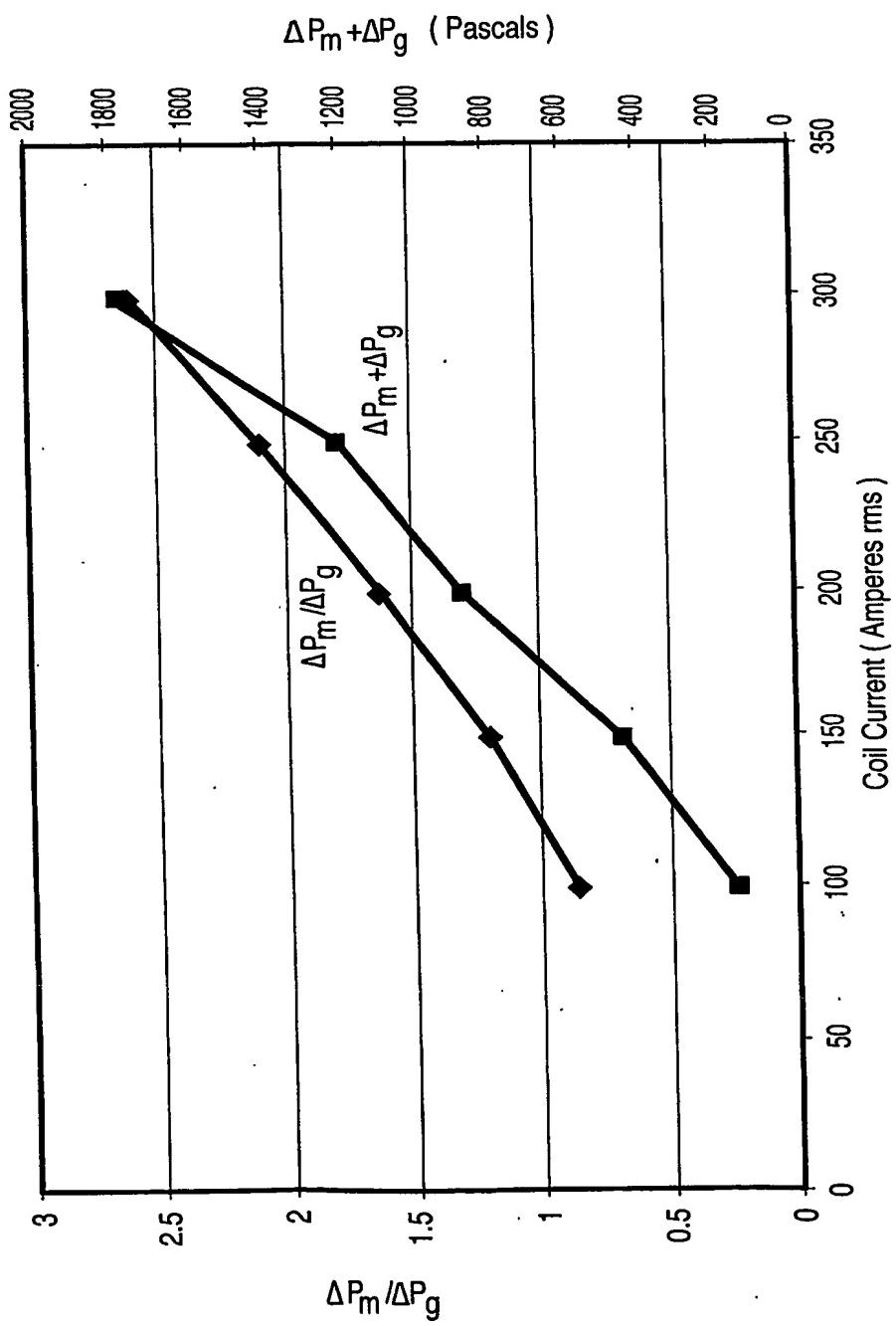
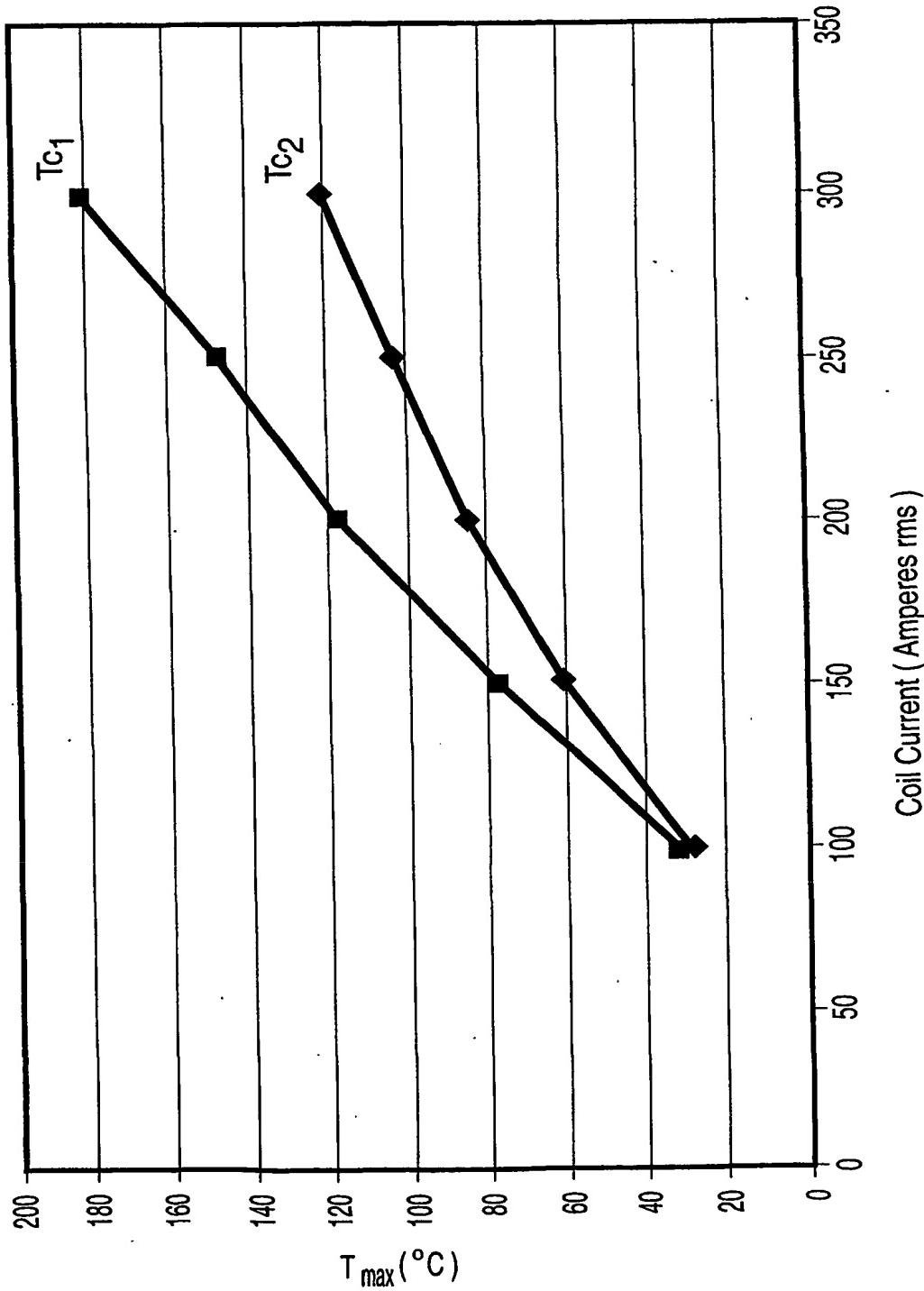
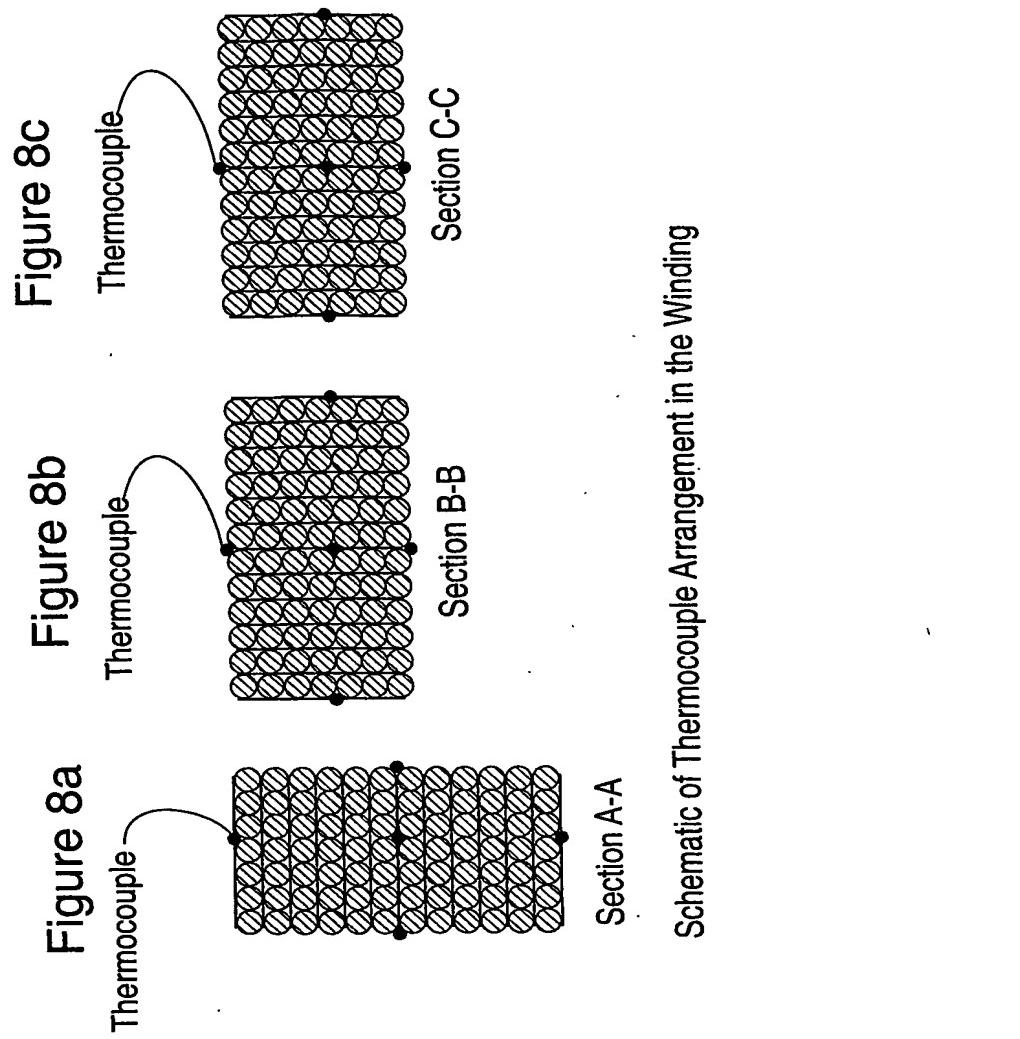
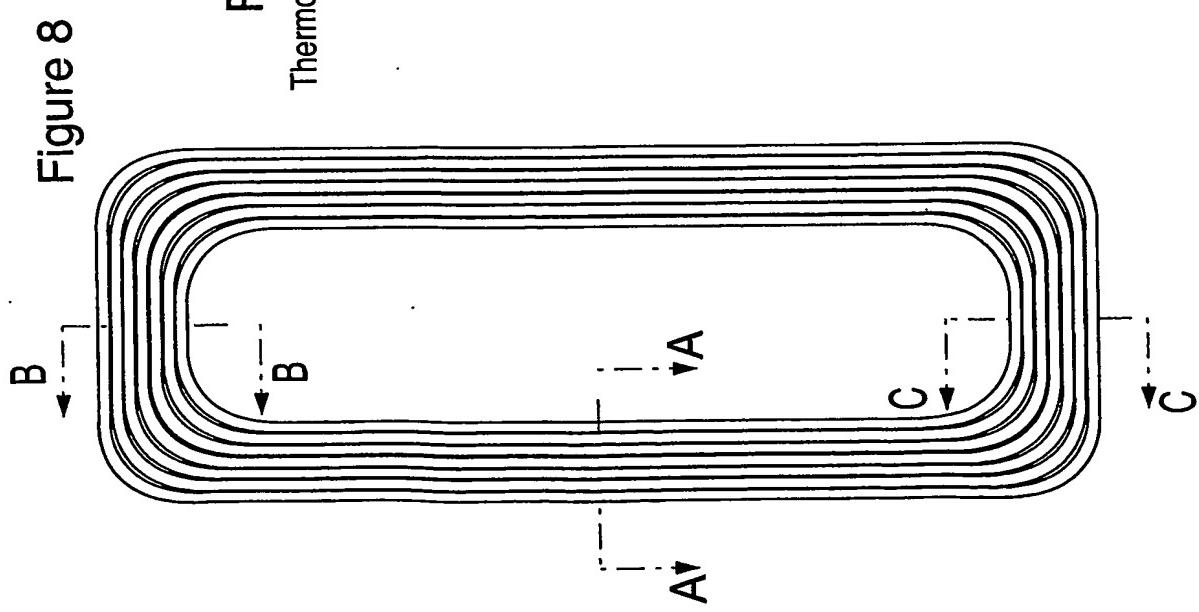


FIG.5

**Figure 6**  
Relationship Between Magnetic and Gravitational Gradients of Pressure,  
and Total Pressure Gradient at Varying Current Inputs.



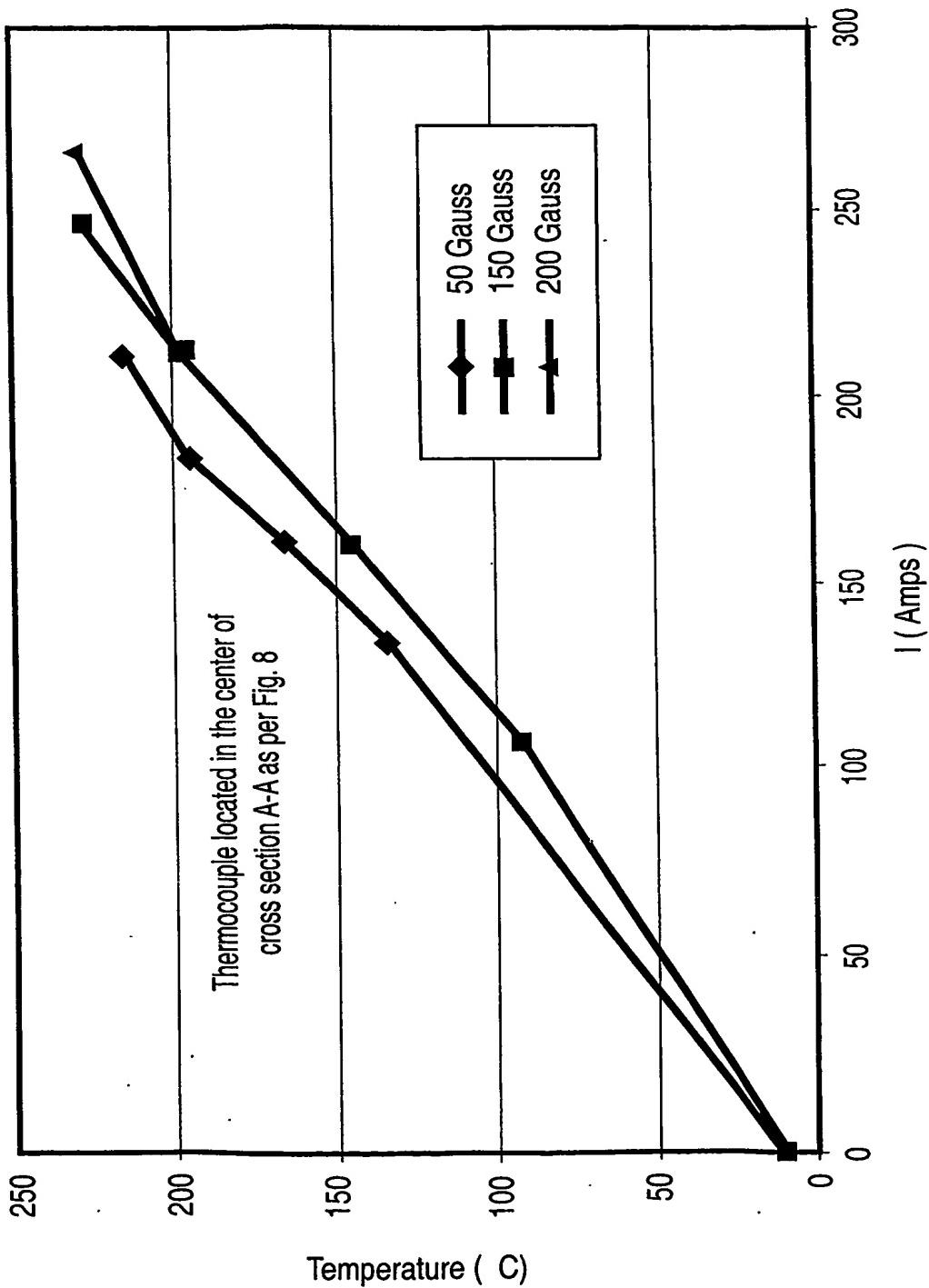
**Figure 7****Effect of Ferrofluid Curie Point on Winding Temperature at Varying Currents**



Schematic of Thermocouple Arrangement in the Winding

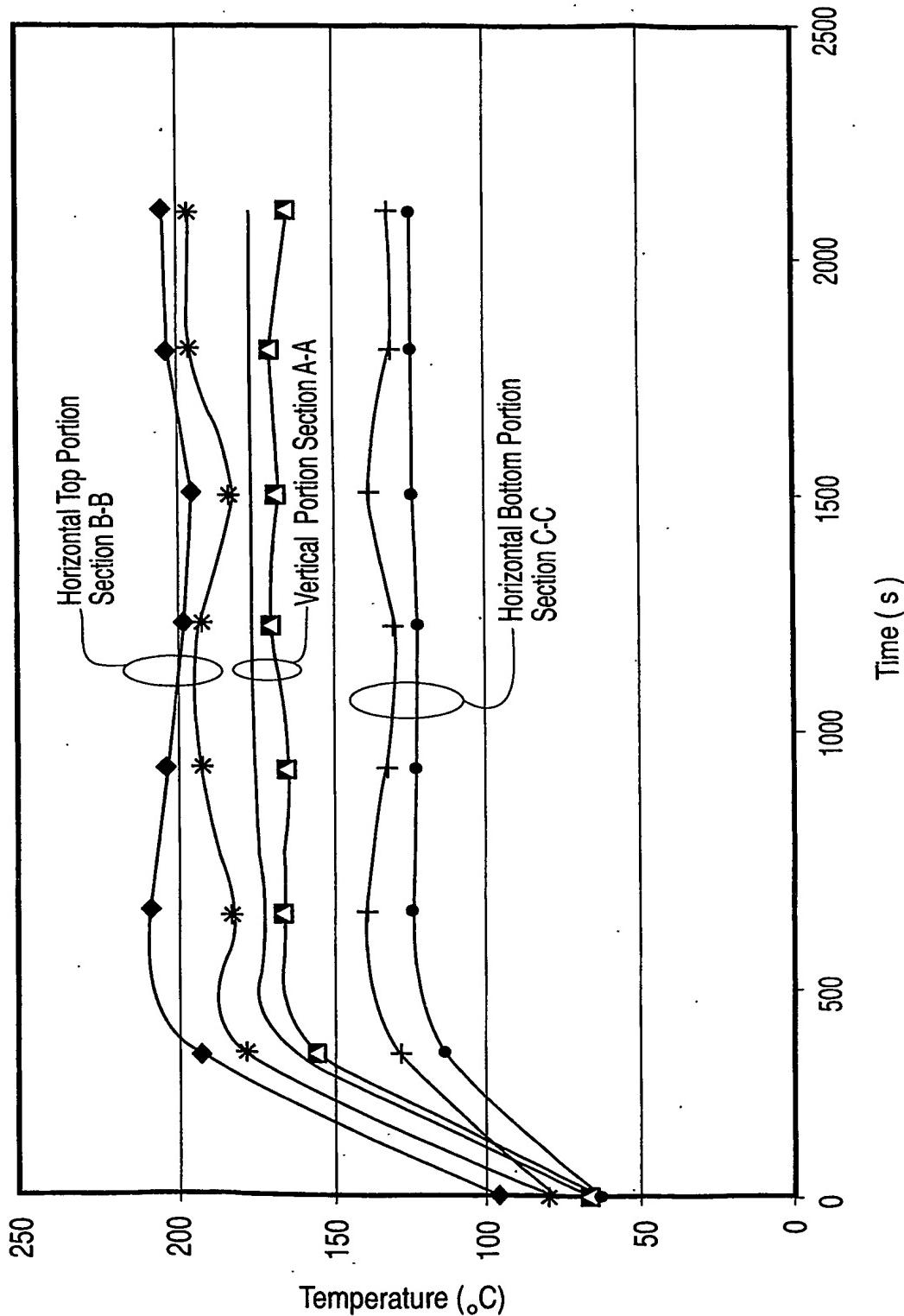
**Figure 9**

Effect of Ferrofluid Magnetization Saturation on Winding Temperature as per Embodiment No. 1



**Figure 10**

Temperature Profiles in the Winding Under conditions of Embodiment No. 3



**Figure 11**

Relationship Between Maximum Temperature in the Winding ( Top portion Section C-C )  
and Current Under Conditions of Embodiment No. 3

